

March 19, 2019

Rob King
Hampton Bays Water District
P.O. Box 1013
Hampton Bays, NY 11946

RE: Project: PFAS 2/28
Pace Project No.: 7080918

Dear Rob King:

Enclosed are the analytical results for sample(s) received by the laboratory on February 28, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Some analyses have been subcontracted outside of the Pace Network. The subcontracted laboratory report has been attached.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kimberley M. Mack for
Stu Murrell
stu.murrell@pacelabs.com
(631)694-3040
Project Manager

Enclosures

cc: Warren Booth, Hampton Bays Water District
John Collins, H2M Group
Stella Michaels, Hampton Bays Water District
Paul Ponturo, H2M Group



REPORT OF LABORATORY ANALYSIS

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(631) 694-3040 Fax: (631) 420-8436

Sample Request Form

PUBLIC WATER SUPPLIER

WELL OFF LINE

☐ WELL RUN TO SYSTEM

☐ YES ☐ NO VOC'S PRESERVED WITH HCl

Date:

Collected By:

Accepted By:

Cooler Temp:

Treatment Types

D	-	Distribution
RRW	-	Raw Well
TW	-	Treated Well
T	-	Tank
MW	-	Monitoring V
I	-	Influent
E	-	Effluent

Origin

RO - Routine
RE - Resample
S - Special

Purpose

PW - Potable Water
GW - Groundwater
SW - Surface Water
WW - Waste Water
AQ - Aqueous
S - Soil

Sample Types

Phone #: _____
Attn: _____
Proj. # or (Name): _____
Bill To: _____
Copies To: _____

Sample Info:

[illegible]



Sample Condition Upon Receipt

Client Name:

HBW

Project

WO#: 7080918

PM: SWM Due Date: 03/13/19

CLIENT: HBW

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☒ Client ☐ Commercial ☐ Pace ☐ Other

Tracking #:

Custody Seal on Cooler/Box Present: ☐ Yes ☒ No Seals intact: ☐ Yes ☒ No

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ Ziploc ☒ None ☐ Other

Thermometer Used: TH091

Correction Factor:

0.0

Cooler Temperature (°C):

4.5

Cooler Temperature Corrected (°C):

4.5

Temp should be above freezing to 6.0°C

USDA Regulated Soil (☐ N/A, water sample)

Date and Initials of person examining contents:

Wk 2/28/19

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ YES ☒ NO

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☒ No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

			COMMENTS:
Chain of Custody Present:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	7.
Sufficient Volume: (Triple volume provided for MS/MSD)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Containers Intact:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	12.
-Includes date/time/ID/Analysis Matrix SL WT OIL			
All containers needing preservation have been checked	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13. <input type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH <input type="checkbox"/> HCl
pH paper Lot #			Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO ₄ , HCl, NaOH>9 Sulfide, NAOH>12 Cyanide)	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Initial when completed: Lot # of added preservative: Date/Time preservative added:
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis			
Samples checked for dechlorination:	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
KI starch test strips Lot #			Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #			
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.
Trip Blank Present:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if applicable):			

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted:

Date/Time:

Comments/ Resolution:

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Burlington

30 Community Drive

Suite 11

South Burlington, VT 05403

Tel: (802)660-1990

TestAmerica Job ID: 200-47639-1

TestAmerica Sample Delivery Group: 200-47639-1

Client Project/Site: PFAS, NY DW

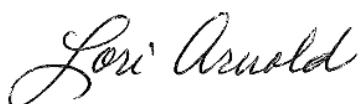
For:

Pace Analytical Services, LLC

575 Broad Hollow Road

Melville, New York 11747

Attn: Stu Murrell



Authorized for release by:

3/19/2019 1:42:02 PM

Lori Arnold, Manager of Project Management

(802)923-1043

lori.arnold@testamericainc.com

LINKS

Review your project
results through

TotalAccess

Have a Question?



Visit us at:

www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Pace Analytical Services, LLC
Project/Site: PFAS, NY DW

TestAmerica Job ID: 200-47639-1
SDG: 200-47639-1

Qualifiers

LCMS

Qualifier	Qualifier Description
*	RPD of the LCS and LCSD exceeds the control limits
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: Pace Analytical Services, LLC
Project/Site: PFAS, NY DW

TestAmerica Job ID: 200-47639-1
SDG: 200-47639-1

Job ID: 200-47639-1

Laboratory: TestAmerica Burlington

Narrative

CASE NARRATIVE

Client: Pace Analytical Services, LLC

Project: PFAS, NY DW

Report Number: 200-47639-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The sample was received on 03/01/2019; the sample arrived in good condition, properly preserved and on ice. The temperature of the cooler at receipt was 2.5° C.

PERFLUORINATED HYDROCARBONS

Sample 7 WELLS LANE was analyzed for Perfluorinated Hydrocarbons in accordance with Method ISO25101. The sample was prepared on 03/11/2019 and analyzed on 03/13/2019.

The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for batch preparation batch 200-140666 and analytical batch 200-140768 recovered outside control limits for Perfluorobutanesulfonic acid (PFBS).

The 13C3 PFBS Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for the low level continuing calibration standard, CCVL 200-140768/7. Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries. The continuing calibration verifications (CCVs) directly before and after the CCVL were both within acceptance criteria for 13C3 PFBS.

The 13C4 PFOS Isotope Dilution Analyte (IDA) recoveries associated with CCV 200-140768/22, CCV 200-140804/13, CCV 200-140804/8 and CCVIS 200-140804/6 are below the method recommended limit. Generally, data quality is not considered affected if the IDA signal-to-noise ratio is greater than 10:1, which is achieved for all IDA in the samples. All detection limits are below the lower calibration.

The continuing calibration verification (CCV) associated with batch 200-140804 recovered above the upper control limit for Perfluorohexanesulfonic acid (PFHxS). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data has been reported. The following sample is impacted: CCVL 200-140804/7.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Pace Analytical Services, LLC
Project/Site: PFAS, NY DW

TestAmerica Job ID: 200-47639-1
SDG: 200-47639-1

Client Sample ID: 7 WELLS LANE

Lab Sample ID: 200-47639-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorooctanoic acid (PFOA)	0.0018		0.0018		ug/L	1		25101:2009	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Burlington

Client Sample Results

Client: Pace Analytical Services, LLC
Project/Site: PFAS, NY DW

TestAmerica Job ID: 200-47639-1
SDG: 200-47639-1

Client Sample ID: 7 WELLS LANE

Date Collected: 02/28/19 08:17

Date Received: 03/01/19 12:08

Lab Sample ID: 200-47639-1

Matrix: Water

Method: 25101:2009 - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanoic acid (PFHpA)	0.0018	U	0.0018		ug/L		03/11/19 09:10	03/13/19 16:48	1
Perfluorooctanoic acid (PFOA)	0.0018		0.0018		ug/L		03/11/19 09:10	03/13/19 16:48	1
Perfluorononanoic acid (PFNA)	0.0018	U	0.0018		ug/L		03/11/19 09:10	03/13/19 16:48	1
Perfluorobutanesulfonic acid (PFBS)	0.0018	U *	0.0018		ug/L		03/11/19 09:10	03/13/19 16:48	1
Perfluorohexanesulfonic acid (PFHxS)	0.0018	U	0.0018		ug/L		03/11/19 09:10	03/13/19 16:48	1
Perfluorooctanesulfonic acid (PFOS)	0.0018	U	0.0018		ug/L		03/11/19 09:10	03/13/19 16:48	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
18O2 PFHxS	76		50 - 150				03/11/19 09:10	03/13/19 16:48	1
13C4 PFHpA	82		50 - 150				03/11/19 09:10	03/13/19 16:48	1
13C4 PFOA	91		70 - 130				03/11/19 09:10	03/13/19 16:48	1
13C4 PFOS	73		70 - 130				03/11/19 09:10	03/13/19 16:48	1
13C5 PFNA	87		50 - 150				03/11/19 09:10	03/13/19 16:48	1
13C3 PFBS	57		50 - 150				03/11/19 09:10	03/13/19 16:48	1

Isotope Dilution Summary

Client: Pace Analytical Services, LLC
Project/Site: PFAS, NY DW

TestAmerica Job ID: 200-47639-1
SDG: 200-47639-1

Method: 25101:2009 - Fluorinated Alkyl Substances

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Isotope Dilution Recovery (Acceptance Limits)					
		PFHxS (50-150)	PFHpA (50-150)	PFOA (70-130)	PFOS (70-130)	PFNA (50-150)	3C3-PFBs (50-150)
200-47639-1	7 WELLS LANE	76	82	91	73	87	57
LCS 200-140666/2-A	Lab Control Sample	98	99	109	97	91	132
LCSD 200-140666/3-A	Lab Control Sample Dup	94	96	99	90	85	94
MB 200-140666/1-A	Method Blank	99	101	102	88	85	130

Surrogate Legend

PFHxS = 18O2 PFHxS

PFHpA = 13C4 PFHpA

PFOA = 13C4 PFOA

PFOS = 13C4 PFOS

PFNA = 13C5 PFNA

13C3-PFBS = 13C3 PFBS

QC Sample Results

Client: Pace Analytical Services, LLC
Project/Site: PFAS, NY DW

TestAmerica Job ID: 200-47639-1
SDG: 200-47639-1

Method: 25101:2009 - Fluorinated Alkyl Substances

Lab Sample ID: MB 200-140666/1-A

Matrix: Water

Analysis Batch: 140768

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 140666

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanoic acid (PFHpA)	0.0020	U	0.0020		ug/L		03/11/19 09:10	03/12/19 19:21	1
Perfluorooctanoic acid (PFOA)	0.0020	U	0.0020		ug/L		03/11/19 09:10	03/12/19 19:21	1
Perfluorononanoic acid (PFNA)	0.0020	U	0.0020		ug/L		03/11/19 09:10	03/12/19 19:21	1
Perfluorobutanesulfonic acid (PFBS)	0.0020	U	0.0020		ug/L		03/11/19 09:10	03/12/19 19:21	1
Perfluorohexanesulfonic acid (PFHxS)	0.0020	U	0.0020		ug/L		03/11/19 09:10	03/12/19 19:21	1
Perfluorooctanesulfonic acid (PFOS)	0.0020	U	0.0020		ug/L		03/11/19 09:10	03/12/19 19:21	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
18O2 PFHxS	99		50 - 150	03/11/19 09:10	03/12/19 19:21	1
13C4 PFHpA	101		50 - 150	03/11/19 09:10	03/12/19 19:21	1
13C4 PFOA	102		70 - 130	03/11/19 09:10	03/12/19 19:21	1
13C4 PFOS	88		70 - 130	03/11/19 09:10	03/12/19 19:21	1
13C5 PFNA	85		50 - 150	03/11/19 09:10	03/12/19 19:21	1
13C3 PFBS	130		50 - 150	03/11/19 09:10	03/12/19 19:21	1

Lab Sample ID: LCS 200-140666/2-A

Matrix: Water

Analysis Batch: 140768

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 140666

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Perfluoroheptanoic acid (PFHpA)	0.0400	0.0386		ug/L		96	50 - 150
Perfluorooctanoic acid (PFOA)	0.0400	0.0371		ug/L		93	70 - 130
Perfluorononanoic acid (PFNA)	0.0400	0.0372		ug/L		93	50 - 150
Perfluorobutanesulfonic acid (PFBS)	0.0354	0.0270		ug/L		76	50 - 150
Perfluorohexanesulfonic acid (PFHxS)	0.0364	0.0340		ug/L		93	50 - 150
Perfluorooctanesulfonic acid (PFOS)	0.0371	0.0348		ug/L		94	70 - 130

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
18O2 PFHxS	98		50 - 150
13C4 PFHpA	99		50 - 150
13C4 PFOA	109		70 - 130
13C4 PFOS	97		70 - 130
13C5 PFNA	91		50 - 150
13C3 PFBS	132		50 - 150

Lab Sample ID: LCSD 200-140666/3-A

Matrix: Water

Analysis Batch: 140768

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 140666

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	RPD Limit
Perfluoroheptanoic acid (PFHpA)	0.0400	0.0394		ug/L		99	50 - 150	2	20
Perfluorooctanoic acid (PFOA)	0.0400	0.0376		ug/L		94	70 - 130	1	20
Perfluorononanoic acid (PFNA)	0.0400	0.0386		ug/L		96	50 - 150	4	20
Perfluorobutanesulfonic acid (PFBS)	0.0354	0.0386	*	ug/L		109	50 - 150	35	20
Perfluorohexanesulfonic acid (PFHxS)	0.0364	0.0378		ug/L		104	50 - 150	11	20

TestAmerica Burlington

QC Sample Results

Client: Pace Analytical Services, LLC
Project/Site: PFAS, NY DW

TestAmerica Job ID: 200-47639-1
SDG: 200-47639-1

Method: 25101:2009 - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCSD 200-140666/3-A

Matrix: Water

Analysis Batch: 140768

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 140666

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorooctanesulfonic acid (PFOS)	0.0371	0.0352		ug/L	—	95	70 - 130	1	20

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	Limits
18O2 PFHxS	94		50 - 150
13C4 PFHpA	96		50 - 150
13C4 PFOA	99		70 - 130
13C4 PFOS	90		70 - 130
13C5 PFNA	85		50 - 150
13C3 PFBS	94		50 - 150

QC Association Summary

Client: Pace Analytical Services, LLC
Project/Site: PFAS, NY DW

TestAmerica Job ID: 200-47639-1
SDG: 200-47639-1

LCMS

Prep Batch: 140666

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-47639-1	7 WELLS LANE	Total/NA	Water	25101:2009 SPE	
MB 200-140666/1-A	Method Blank	Total/NA	Water	25101:2009 SPE	
LCS 200-140666/2-A	Lab Control Sample	Total/NA	Water	25101:2009 SPE	
LCSD 200-140666/3-A	Lab Control Sample Dup	Total/NA	Water	25101:2009 SPE	

Analysis Batch: 140768

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 200-140666/1-A	Method Blank	Total/NA	Water	25101:2009	140666
LCS 200-140666/2-A	Lab Control Sample	Total/NA	Water	25101:2009	140666
LCSD 200-140666/3-A	Lab Control Sample Dup	Total/NA	Water	25101:2009	140666

Analysis Batch: 140804

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-47639-1	7 WELLS LANE	Total/NA	Water	25101:2009	140666

Lab Chronicle

Client: Pace Analytical Services, LLC
Project/Site: PFAS, NY DW

TestAmerica Job ID: 200-47639-1
SDG: 200-47639-1

Client Sample ID: 7 WELLS LANE

Date Collected: 02/28/19 08:17

Date Received: 03/01/19 12:08

Lab Sample ID: 200-47639-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	25101:2009 SPE			140666	03/11/19 09:10	BWC	TAL BUR
Total/NA	Analysis	25101:2009		1	140804	03/13/19 16:48	JM1	TAL BUR

Laboratory References:

TAL BUR = TestAmerica Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Accreditation/Certification Summary

Client: Pace Analytical Services, LLC
Project/Site: PFAS, NY DW

TestAmerica Job ID: 200-47639-1
SDG: 200-47639-1

Laboratory: TestAmerica Burlington

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
ANAB	DoD / DOE		L2336	02-25-20
Connecticut	State Program	1	PH-0751	09-30-19
DE Haz. Subst. Cleanup Act (HSCA)	State Program	3	NA	02-01-19 *
Florida	NELAP	4	E87467	06-30-19
Maine	State Program	1	VT00008	04-17-19 *
Minnesota	NELAP	5	050-999-436	12-31-19
New Hampshire	NELAP	1	2006	12-18-19
New Jersey	NELAP	2	VT972	06-30-19
New York	NELAP	2	10391	04-01-19 *
Pennsylvania	NELAP	3	68-00489	04-30-19 *
Rhode Island	State Program	1	LAO00298	12-30-19
US Fish & Wildlife	Federal		LE-058448-0	07-31-19
USDA	Federal		P330-11-00093	07-24-20
Vermont	State Program	1	VT-4000	12-31-19
Virginia	NELAP	3	460209	12-14-19

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

TestAmerica Burlington

Method Summary

Client: Pace Analytical Services, LLC
Project/Site: PFAS, NY DW

TestAmerica Job ID: 200-47639-1
SDG: 200-47639-1

Method	Method Description	Protocol	Laboratory
25101:2009	Fluorinated Alkyl Substances	ISO	TAL BUR
25101:2009 SPE	Solid-Phase Extraction (SPE)	ISO	TAL BUR

Protocol References:

ISO = International Organization for Standardization

Laboratory References:

TAL BUR = TestAmerica Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Sample Summary

Client: Pace Analytical Services, LLC
Project/Site: PFAS, NY DW

TestAmerica Job ID: 200-47639-1
SDG: 200-47639-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
200-47639-1	7 WELLS LANE	Water	02/28/19 08:17	03/01/19 12:08

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Chain of Custody



200-47639 Chain of Custody



Workorder: 7080918		Workorder Name: PFAS 2/28		Results Requested By: 3/14/2019											
Report / Invoice To		Subcontract To		Requested Analysis											
Stu Murrell Pace Analytical Melville 575 Broad Hollow Road Melville, NY 11747 Phone (631)694-3040 Email: stu.murrell@pacelabs.com		Attn: Lori Arnold TestAmerica Burlington 30 Community Drive Suite 11 South Burlington, VT 05403		Subcontracted ISO 25101											
State of Sample Origin: NY		Preserved Containers		LAB USE ONLY											
Item	Sample ID	Collect Date/Time	Lab ID	Matrix	Unpreserved										
1	7 WELLS LANE	2/28/2019 08:17	7080918001	Drinking	<input checked="" type="checkbox"/>										
2															
3															
4															
5															
Transfers		Released By	Date/Time	Received By	Date/Time	Comments									
1		<i>Stu Murrell</i>	2/28/2019 08:17	<i>Lori Arnold</i>	3/14/2019	UCMR3 COMPOUNDS									
2															
3															
Cooler Temperature on Receipt		2.5 °C	Custody Seal	Y or N	Received on Ice	Y or N	Samples Intact							Y or N	

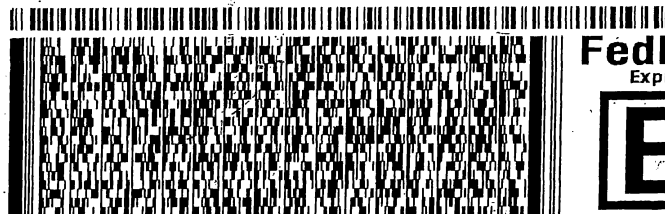
(518) 860-9724
ORIGIN ID: ZMVA (631) 694-3040
RECEIVING
PACE ANALYTICAL SERVICES
575 BROADHOLLOW RD
MELVILLE, NY 11747
UNITED STATES US
SHIP DATE: 27 FEB 19
SHIP DATE: 28 FEB 19
ACTWT: 40.26 LB
CAG: 499472/CAFE3211
BILL SENDER

TO **SAMPLE RECEIVING
TEST AMERICA
30 COMMUNITY DRIVE, SUITE #11**

SOUTH BURLINGTON VT 05403

(631) 694-3040
REF: INU: PO:

REF: DEPT:



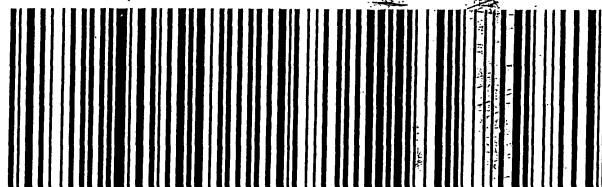
TRK# 4857 4739 0357
0201

FRI - 01 MAR 10:30A
PRIORITY OVERNIGHT

NC BTVA

05403
VT - US BTV

POST 16048-434 RTT EXP 11/19



Login Sample Receipt Checklist

Client: Pace Analytical Services, LLC

Job Number: 200-47639-1

SDG Number: 200-47639-1

Login Number: 47639

List Number: 1

Creator: McNabb, Robert W

List Source: TestAmerica Burlington

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	Not present
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.5°C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Not requested on COC.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	